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(71) **Applicant:** ROBERTSHAW CONTROLS COMPANY  
[US/US]; Suite 400, 2809 Emerywood Parkway, Richmond, VA 23294 (US).  
(72) **Inventor:** KHOURY, David; 919 Greenpark Ave., Covina, CA 91724 (US).  
(74) **Agent:** DIGIROLAMO, Samuel; Blackwell Sanders Peper Martin LLP, Suite 2400, 720 Olive Street, St. Louis Missouri 63101 (US).

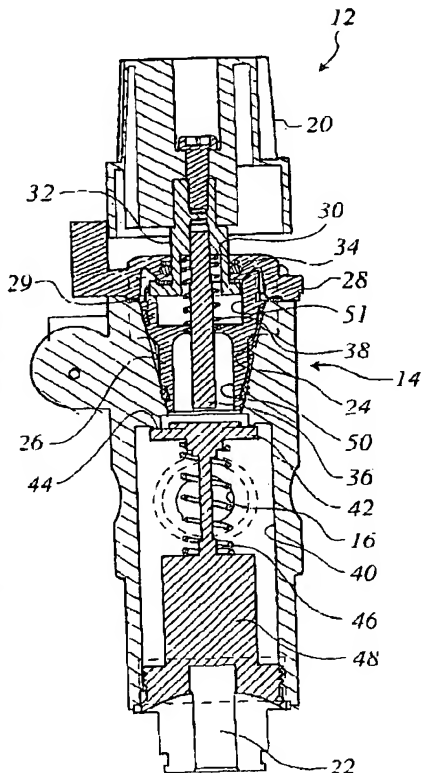
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(54) Title: IMPROVED STOPCOCK



**(57) Abstract:** A valve (12) for controlling the flow of a gas therethrough which requires no machining in order to attain an effective seal between the valve seating surface and a rotatable plug element (26). The valve seat surface (24) remains as-cast while the plug consists of an overmolded plastic. The overmolding defines an array of pliable sealing ridges. The use of overmolding facilitates the use of cost-saving plastic materials and obviates the need for expensive machining of the cooperating surfaces.

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# INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F16K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2 961 214 A (FREED JACOB B) 22 November 1960 (1960-11-22) column 1, line 56 -column 4, line 5 figures	1-20
A	EP 0 581 637 A (COMAP) 2 February 1994 (1994-02-02) column 2, line 51 -column 4, line 8 figures	1-5, 7-9, 12-17, 20
A	US 4 169 491 A (BAJKA PETER) 2 October 1979 (1979-10-02) column 2, line 11 - line 66 column 3, line 49 -column 4, line 10 figures	1-4, 6-8, 12-18, 20
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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

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## INTERNATIONAL SEARCH REPORT

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	DE 197 28 234 A (PVB MEDIZINTECHNIK GMBH) 11 March 1999 (1999-03-11)  column 4, line 18 -column 6, line 27 figures  ----	1-3,7, 12, 16-18,20
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## INTERNATIONAL SEARCH REPORT

Information on patent family members

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